

ABSTRACT OF THE DISCLOSURE

A method of water analysis for detecting the presence of microorganisms in a water sample, comprising the steps of: first, providing a bio-membrane as a filter; filtering out the microorganisms in the water sample, using the bio-membrane; cultivating the microorganisms on the bio-membrane; staining the microorganisms on the bio-membrane with potassium permanganate (KMnO_4); rinsing the bio-membrane with purified deionized water; and finally, counting microorganisms.

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